

Remarks

Claims 32, 33 and 38-44 are presently pending. Claim 32 is amended, claim 33 is canceled without prejudice, and no new claims are added.

Claim Rejections – 35 U.S.C. § 102(e)

Claim 32 was rejected as being allegedly anticipated under 35 U.S.C. § 102(e) by Tuyl (U.S. Patent App. Pub. No. 2004/0102742 – hereinafter “Tuyl”). Although Applicant disagrees with this position, in the interest of expediting prosecution claim 32 has been amended to include the limitations of previous claim 33, and previous claim 33 has been canceled. Tuyl fails to teach at least one element of claim 32, as amended (see Office Action, page 3). Therefore, Applicant respectfully requests withdrawal of the claim rejection under 35 U.S.C. § 102(e).

Claim Rejections – 35 U.S.C. § 103(a)

Claim 33 was rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Tuyl in view of Engelhardt et al. (U.S. Patent App. Pub. No. 2002/0179828 – hereinafter “Engelhardt”). Applicant respectfully disagrees with this position. The limitations of claim 33 have been incorporated into claim 32, and claim 33 has been canceled.

Claim 32 as amended recites, *inter alia*, “receiving a plurality of pixel signal values for each of a plurality of calibration images captured by an imager, creating an average interpolation function to produce interpolated average signal values for the imager, and creating an interpolation function for each pixel to produce interpolated signal values for the pixel.” Applicant respectfully asserts that neither Tuyl, nor Engelhardt, nor their combination teaches or suggests or otherwise renders obvious at least these recited elements of claim 32.

As the Office Action highlights (pages 3-4), Engelhardt appears to discuss eliminating jitter along an image column by averaging “actual signals” of identical phase “over several periods prior to assignment,” (Engelhardt paragraph [0025]), and interpolating “detection signals with respect to the actual and/or nominal signals,” (Engelhardt paragraph [0028]). Other than containing the words “averaged” and “interpolation,” Engelhardt does not appear to have anything to do with “receiving a plurality of pixel signal values for each of a plurality of calibration images captured by an imager,” or “creating an average interpolation function to produce interpolated average signal values for the imager” or “creating an interpolation function for each pixel to produce interpolated signal values for the pixel.” Engelhardt appears to be primarily concerned with interpolating one *type* of signal with respect to two other *types* of signals (“contains an interpolation of the detection signals with respect to the actual and/or nominal signals” – Engelhardt paragraph [0028]), rather than “receiving a plurality of pixel signal values for each of a plurality of calibration images captured by an imager,” or “creating an average interpolation function to produce interpolated average signal values for the imager.” Furthermore, neither Engelhardt nor Tuyl discusses or suggests producing “interpolated signal values for the pixel.”

For at least these reasons, Engelhardt does not teach or suggest or otherwise render obvious at least the aforementioned elements of claim 32. Tuyl fails to supply at least these elements which Engelhardt lacks (Office Action page 3). Therefore, claim 32 is believed to be in condition for allowance. Claims 38-44, which properly depend from claim 32 and contain all the limitations of claim 32, are believed to be in condition for allowance for at least the same reasons described with respect to claim 32.

CONCLUSION

In conclusion, all of the claims remaining in this application should now be seen to be in condition for allowance. A prompt notice to that effect is respectfully solicited. If there are any remaining questions, the Examiner is requested to contact the undersigned at the number listed below.

Respectfully submitted,

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